

Prepared for:  
**Armitage Apothecary LLC**  
 2811 21st St  
 Boulder, CO USA 80304

## CBD Tincture

|  |                               |                               |                      |
|--|-------------------------------|-------------------------------|----------------------|
| Batch ID or Lot Number:<br><b>2213-4500I</b> | Test:<br><b>Potency</b>       | Reported:<br><b>14Jul2022</b> | USDA License:<br>N/A |
| Matrix:<br>Unit                              | Test ID:<br>T000213741        | Started:<br>13Jul2022         | Sampler ID:<br>N/A   |
|  | Method(s):<br>TM14 (HPLC-DAD) | Received:<br>11Jul2022        | Status:<br>N/A       |

## Cannabinoids

|  | LOD (mg) | LOQ (mg) | Result (mg)     | Result (mg/g) | Notes  |
|--|----------|----------|-----------------|---------------|--|
| Cannabichromene (CBC)                        | 1.651    | 5.085    | ND              | ND            | # of Servings = 1,<br>Sample<br>Weight=30.8g |
| Cannabichromenic Acid (CBCA)                 | 1.510    | 4.651    | ND              | ND            |  |
| Cannabidiol (CBD)                            | 4.221    | 13.313   | 1185.670        | 38.50         |  |
| Cannabidiolic Acid (CBDA)                    | 4.329    | 13.654   | ND              | ND            |  |
| Cannabidivarin (CBDV)                        | 0.998    | 3.149    | 6.260           | 0.20          |  |
| Cannabidivarinic Acid (CBDVA)                | 1.806    | 5.696    | ND              | ND            |  |
| Cannabigerol (CBG)                           | 0.937    | 2.887    | 1.180           | 0.00          |  |
| Cannabigerolic Acid (CBGA)                   | 3.919    | 12.069   | ND              | ND            |  |
| Cannabinol (CBN)                             | 1.223    | 3.766    | ND              | ND            |  |
| Cannabinolic Acid (CBNA)                     | 2.674    | 8.234    | ND              | ND            |  |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC)   | 4.669    | 14.378   | ND              | ND            |  |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC)   | 4.240    | 13.058   | ND              | ND            |  |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 3.757    | 11.569   | ND              | ND            |  |
| Tetrahydrocannabivarin (THCV)                | 0.853    | 2.626    | ND              | ND            |  |
| Tetrahydrocannabivarinic Acid (THCVA)        | 3.314    | 10.205   | ND              | ND            |  |
| <b>Total Cannabinoids</b>                    |          |          | <b>1193.110</b> | <b>38.74</b>  |  |
| Total Potential THC                          |          |          | ND              | ND            |  |
| Total Potential CBD                          |          |          | 1185.670        | 38.50         |  |

## Final Approval



Daniel Weidensaul  
 14Jul2022  
 02:44:00 PM MDT

PREPARED BY / DATE



Kayla Phye  
 14Jul2022  
 02:48:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/bc809eca-1e78-4980-9771-0fe102eeb43a>

**Definitions**  
 % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).  
 Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDA \*(0.877)).

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.



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 2811 21st St  
 Boulder, CO USA 80304

**CBD Tincture**

|  |  |                               |                     |
|--|--|-------------------------------|---------------------|
| Batch ID or Lot Number:<br><b>2213-45001</b> | Test:<br><b>Microbial Contaminants</b>                         | Reported:<br><b>15Jul2022</b> | USDA License:<br>NA |
| Matrix:<br>Finished Product                  | Test ID:<br>T000213742   | Started:<br>12Jul2022         | Sampler ID:<br>NA   |
|  | Method(s):<br>TM25 (PCR) TM24, TM26, TM27<br>(Culture Plating) | Received:<br>11Jul2022        | Status:<br>NA       |

**Microbial Contaminants**

| Contaminants          | Method                | LOD                   | Quantitation Range                        | Result        | Notes   |
|-----------------------|-----------------------|-----------------------|---|---------------|---|
| STEC                  | TM25: PCR             | 10 <sup>0</sup> CFU/g | NA  | Absent        | Free from visual mold, mildew, and foreign matter |
| <i>Salmonella</i>     | TM25: PCR             | 10 <sup>0</sup> CFU/g | NA  | Absent        |   |
| Total Yeast and Mold* | TM24: Culture Plating | 10 <sup>1</sup> CFU/g | 1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup> | None Detected |   |
| Total Aerobic Count*  | TM26: Culture Plating | 10 <sup>2</sup> CFU/g | 1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup> | None Detected |   |
| Total Coliforms*      | TM27: Culture Plating | 10 <sup>1</sup> CFU/g | 1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup> | None Detected |   |

**Final Approval**


Brett Hudson  
 15Jul2022  
 10:14:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright  
 15Jul2022  
 10:31:00 AM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/3d483a8c-8347-4a05-ab45-713c9271bf0d>
**Definitions**

\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU  
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection  
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation  
 STEC = Shiga Toxin-Producing E. coli

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